THE ANTIQUE RADIO GAZETTE

VOL. 22 • SPRING 1994 • NO. 1

More Member Letters

Stromberg-Carlson Telephone Mfg. Co. (See Story on Page 7)

The Antique Radio Gazette is the official publication of The Antique Radio Club of America, Inc.

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March 31	February 15
June 30	May 15
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The Antique Radio Club of America, Inc.

1994 Convention

June 9-10-11, 1994

Radio: Tube to Transistor & Back

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with Host

ARKANSAS ANTIQUE RADIO CLUB

Riverfront Hilton INN

2 Riverfront Place
North Little Rock, Arkansas 72114
Telephone: (501) 371-9000

See map for detailed guide to an easy arrival

Welcome!

Members and Guests to ARCA '94

To All ARCA Members:

The Arkansas Antique Radio Club welcomes you to Little Rock in 1994. Excitement abounds in this area as we prepare for the annual ARCA convention. Hundreds of radio collectors from the surrounding states will experience their first national radio meet in this inaugural ARCA convention west of the Mississippi River.

This years meet in Little Rock, a small city with metro-population of 250,000, promises exciting seminars, a contest, auction, and of course, the flea market. Located near the population center of the United States, Little Rock is easily reached by ground, air, and rail. (While located on the banks of the Arkansas River, water navigation to the radio meet is not recommended.) You will find us on the map at the intersection of Interstates 30 and 40.

Regardless of your political affiliation, there's lots to do and see in Arkansas. From the Delta plains to the Ozark Mountains, Arkansas is the Natural State. Come enjoy a super radio meet and our small town hospitality in 1994.

Jim Sargent
President, AARC

LITTLE ROCK - POINTS OF INTEREST

1. Arkansas Arts Center
2. Museum of Science & History
3. State Capitol & State House Museum
4. Decorative Arts Museum
5. Little Rock Zoo
6. The Old Mill (used in opening scene of Gone With The Wind)
7. Riverboat Spirit
8. Robinson Center - Performing Arts Center
9. University of Little Rock Planetarium
10. Wild River Country Water Park
11. The villa Marre Victorian Home
12. Lakewood Village Shopping Mall

ARCA - '94 CONFERENCE REGISTRATION

Mail before May 29 to: ARCA Conference Headquarters
3123 South 10th Street • Akron, PA 17501

Description	Fee	No. Persons	Total
Advance Registration before May 29	$12.00	Family	
After Closing Date & At The Door	$16.00	Family	

Above Registration Includes Trader's Market & Auction Entry.
No Additional Charges For These Activities

FRIDAY AWARDS BANQUET

Entrees Choice: Roast Beef Au Jus $16.95
Ham Steak with Red Eye Gravy $16.95

(Above Entrees include House Salad with Dressing, Au Gratin Potato, Broccoli/Cheese Sauce, Hot Rolls & butter, Coffee or Tea and Walnut Layer Cake)

1994 ARCA Membership $15.00 (Membership not required to attend)
Make Check out to ARCA and mail to above address **TOTAL**

Name _____

Address _____

C/S/Z _____

Pick up your Pre-registration packet containing tickets, name tags, and other documents at convention time. Thank you for your early response.

ROOM RESERVATION REQUEST

Mail Before May 29, 1994 to : Riverfront Hilton Inn
2 Riverfront Place • North Little Rock, Arkansas 72114 • (501) 371-9000

(Late Reservations Will Be Accepted On Room Availability Basis Only)

Special ARCA Rates: Single $50.00 - Double $55.00 - (Plus Tax) + $10.00 Each Additional Person

ARRIVAL DATE:	CHECK-IN TIME:	DEPARTURE DATE:	CHECKOUT TIME:

Name: _____

Address: _____

_____

Telephone Number: ( )_____

One Night's Deposit or a Major Credit Card Number with expiration date must accompany this coupon to hold each room requested. Thank You.

❑Deposit by Check $_____

Credit Card Guarantee:
❑AE ❑VISA ❑MC ❑DINNERS ❑DISCOVER
Card No. _____ Exp. Date_____
Signed _____

WEDNESDAY - JUNE 8, 1994

Early arrival.....Pre-registration
Check-in.....2:00am - 6:00pm

No other scheduled activities.

THURSDAY - JUNE 9, 1994

Sun up to Sun down.....Open Air Trader's Market
9:00am - 12:00noon.....Registration
10:30am - 12:00noon.....Ham Radios as I Remember it 1916 to 1926 by 5BN, Now W5BP Orville L. Smith
1:00pm - 2:00pm.....Mel's Corner (A panel of radio historians telling it like it was: Host to be announced.)
1:00pm - 4:00pm.....Old Equipment Contest (Only entries before 4:00pm are eligible for People's Choice Award.)
1:00pm - 5:00pm.....Re-open Registration
2:00pm - 5:00pm.....The Ladies Collector's Corner (Conducted by Kathy Koester, Patsy McIntyre & Barbara Rankin)
3:00pm - 5:00pm.....Contest equipment viewing and People's Choice balloting.
7:00pm - 9:00pm.....Contest equipment viewing and People's Choice balloting.
8:00pm - 9:00pm.....ARCA Board of Directors meeting

FRIDAY - JUNE 10, 1994

Sun up to Sun down.....Open Air Trader's Market
(You MUST have Trader's Registration Card to display and sell.)
8:30am - 9:30am.....Final Old Equipment Contest Registration
9:00am - 12:00noon.....Registration
9:30am - 11:00am.....Display room closed - judges only
10:30am - 11:30am.....Transistor Topics© Those fabulous compact collectable Transistor Radio's. What makes these radio's so desirable? The same things that made them so popular?
1:00pm - 2:00pm.....1930 Solid State Transmitter (Alexanders or Alternator) Early Broadcast Engineers License. Use & Problems of used transmitter in the 1930's. Early Police Radio 1600-2400KHz. by Rex Murdock
1:00pm - 4:00pm.....Registration
2:00pm - 4:00pm.....Antiquing Brassware and Bezel Restoration by Dale Davenport
4:00pm - 5:00pm.....ARCA Membership Meeting - Ask at information desk
4:00pm - 5:00pm.....Retrieve contest entries. Pleases do not remove before this allotted time.
6:00pm - 6:30pm.....Social "Hour" - Banquet Hall
6:30pm - 8:30pm.....Banquet and awards ceremonies with special guest speakers.
9:00pm - 11:00pm.....Auction check-in

SATURDAY - JUNE 11, 1994

ALL Day.....Trader's Market
7:00am - 8:30am.....Final Auction Check-in
8:30am - 12:00noon.....Auction *See Rules
2:00pm.....Special Tours for the afternoon will be posted tat the registration desk in lobby

Article Directory

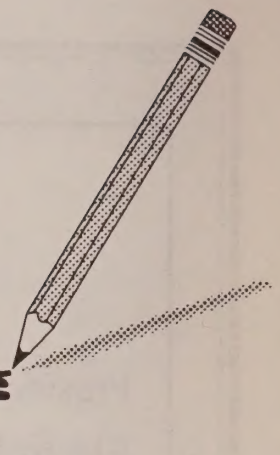
President's Page *by Lloyd McIntyre* 2
Electrolytic Capacitors *by Dick Mackiewicz* 3
Buffalo Made *by Larry Babcock* 5
Stromberg-Carlson Telephone Mfg. Co. (Cover Story) *by Lloyd McIntyre* 7
Some Unique Canadian Westinghouse Company Radio tubes of the 1920's *by Bob Murray* 10
A Federal is Born *by Billy Richardson* 13
A Gem is Found *by Ron Frisbie* 17
Cartoon Center *by Ron Boucher* 20
A Bit of History 24
Love thy Neighbor Basket Case Restoration *by Stephen Kalista* 28
Secrets of the National Monodyne *by Alan Douglas* 30
Membership Information 30
Transistor Topics© *by Ross Smith* 32
Frank Munn: A biodiscography of the Golden Voice of Radio 35
And the Radio Lives on *by Richard Bradley* 36
Ye Old Swap Shop 37
Chapter Information 39
Collector Books 40

COMING NEXT ISSUE

Burndept Ethophone Grand ..... Dr. Ralph Muchow

Plus all of your regular featured articles

President's Page



Lloyd E. McIntyre II

Excitement will soon fill the air when all of those "radio waves" rush to attach themselves to the collector's car antennas, as we go mobile. It must be confusing to these "radio waves" when this great avalanche of people seem to leave their winter hibernation and start out in search of nourishment (truck and trunk loads of radios). Those "radio waves" only had to go from transmitter direct to home base. Now they will have to chase us down as we depart for that great unknown land on the West side of the Mississippi. This will be the first time in the twenty-two year history of ARCA that we have ventured that far west, scary-ain't-it!

Is there radio beyond the Mississippi? The gang in Little Rock assures us that there is and that there will be some very strong "radio waves" that have come out of this town since Bill Clinton became President.

From any direction, there is a lot to see on your way. Once there, we have plenty of exciting programs planned for you. Let's all make this the best convention ever. Little Rock - full of surprises!

I hear the cry from many of our sister clubs. We need more help, volunteers to take some of the load off of the one-half dozen or so people who seem to be the ones who keep your clubs going. So many of us have full-time jobs, a family life of sorts, and some of us used to be able to fiddle with those old radios. You would be surprised at how just a few minutes time given back to your club each month will make things better for you and your fellow collectors. Attend a meeting, make a call, get involved. We need your help and support.

Electrolytic Capacitors

Some Do's and Don'ts

Have you ever seen an old radio with open holes all over the chassis, or larger paper capacitors secured in a messy fashion with a half roll of friction tape to the original filter capacitors that still are in place on the chassis? The first consideration when replacing filter capacitors should be to preserve the original appearance of the radio.

Filter capacitors were manufactured in several styles-some round, some square or rectangular, tab mount, single nut mount, plug-in, and on and on. If you cannot find a replacement to match the defective unit in size, shape, mounting and construction (paper, metal, etc.), the first preferred method would be to put new inside components in the old cases; in other words, rebuild the capacitor. This can be done with care and patience. If you do not wish to put in the required time or effort, then PLEASE, leave the old units in place on top of the chassis, and wire in new units underneath the chassis. At least someone else, sometime in the future, can properly restore the set.

Next, do not be tempted to replace the old filters with anything other than the original value. If the old filter was four microfarad, use a new 4uf unit.

Don't think you can make the radio super-quiet by increasing from that 4uf to let's say a 10uf. This will increase B+ voltage and stress all other components in the set.

When working on any set made before the 50's, it might be very helpful to increase the voltage rating of the capacitor by 20% or so. This will compensate for the higher voltages in the radio that result from today's A.C. line voltage being 10% to 15% higher than in earlier years.

Don't go overboard on this, though. Electrolytic capacitors work best when run near their rated voltage. Replacing a 25 volt rated electrolytic in a cathode circuit with a 250 volt rated capacitor simply is uncalled for.

Finally, if you junk any old radios, save some of those filters that are mounted above the chassis. You may need them to fill holes in the next set you or a friend may obtain.

Happy collecting,
Dick Mackiewicz

Member Letter

Reading the "Ozone" article on page 7 of Vol. 21 Fall 1993 No. 3 issue, brings back memories of when I was in the Army in 1960.

I was stationed at Fort Sheridan, Illinois and my duty was the radio teletype receiving site! It was located about 500' to 700' from the Lake Michigan shore. When electrical storms came into our area, they usually came right off of the lake. I have never been in such powerful storms in my life- before then or since then!

I was on duty at the receiver site one evening when one of those deafening storms came up. During the storm, while I was sitting at the desk updating the log, I felt a tingling sensation and the hair on my arms was standing up. I looked over at the rack of receiving equipment and noticed a blue glow (corona) around the antenna patch panel and breaker box that supplied power to the site. At that instant I headed for the toilet because it was the only place I felt would be safe! Just as I headed around the corner of my metal desk, all hell broke loose! Fire (arcing) was everywhere, breaker box, antenna patch panel, etc. This scared me to death! Good thing I was heading toward the toilet!

What was strange was that nothing was damaged. The receiver site came back on line with no problems. Talk about "ozone" odor! I got a call from one of our other stations wanting to know why we went off the air. Of course, I could not answer them because our transmitter site was down. The transmitter site was about two miles from the receiver site.

The Sgt. who was on duty there was taking grid and plate readings at the same time I had my experience. The transmitters were 1600 Watt (two 800 Watt back to back). I believe there were three units at the site. Just as the Sgt. walked between the units to check their other transmitter (units were about 3 feet apart), the side of the transmitter he had just checked was blown off.

Luckily, it missed him! He telephoned our Commo Sgt. and when the Commo Sgt. got there, he found the Sgt. on duty under the desk, wide-eyed. The panel blown off was about 4' x 4' x 8'". What took the side off was two large ceramic caps in the antenna circuit. That transmitter was down for quite a while! My memory is not like it used to be, but what occurred that evening, I do not think could be forgotten by anyone.

William G. Mitch-N9JTR
668 West 725 South
Hebron, Indiana 46241

BUFFALO MADE

By Larry Babcock

Radio Club needs a project to focus their members interests on a common task which will keep their interests high and provide a project where all may work together in the pursuit of their hobby. For this purpose the Niagara Frontier Wireless Association (NFWA) has built an exhibit to display members equipment inside the Amherst Museum just North of Buffalo, N.Y.

Under the direction of past President Floyd Engels, the club built a twenty five foot wide reproduction of an antique radio store front. This front consists of a central entry door with two show windows on either side. Members artifacts are displayed behind this front which acts to add realism to the exhibit as well as to protect the articles on display from knob twisters and other damage.

PHOTO (1) Overall view of antique radio store front built and installed in the Amherst Museum by the NFWA. The street number, "1978" is the year the club was formed.

The display is changed annually so that visitors may see different items and learn about different things each time they come to the Museum. This is particularly true for radio collectors who attend the NFWA's largest annual meet held each August at the Museum and which now attracts over 100 collectors to the combined antique radio flea market, auction and program.

The present exhibit is Buffalo-made radios. This means a variety of all of the early radios built in the Buffalo area. Of course every one is familiar with Federal and the King / Colonial / Sylvania radios. A complete window is devoted to each of these big companies. But there were also numerous other radio companies located in the Buffalo area in the early days.

The Federal window contains every one of the radios Federal built in their early years of radio. It also has two speakers which Federal called "PLEIOPHONES". You have probably seen the diminutive model 400-w with the 3"D bell opening but here is also a rare Federal horn with a

Continue on page 6

Continued from page 5

PHOTO (2) This window displays the King / Colonial / Sylvania line of products. At the left front is the highly sought Colonial world globe radio. The front center displays a King radio neutrodyne (3 KNOB TRF) kit in the original package. A made in Buffalo rechargeable B+ battery is shown at the right front. Several Kings are on the shelves to the rear and a nice Colonial Tombstone is directly behind the globe radio.

very large bell. The Museum has on sale in the gift shop a 64 page booklet describing the complete radio history of Federal and each of its radio products prior to its demise in 1929.

Lesser known companies products are displayed in the left window starting on the top shelf with two radios built by U.S. L. in Niagara Falls in the mid 1920's. U.S.L. only existed for a short time but did make a complete line of battery receivers for a few years.

The next shelf down contains an Aragain receiver from about 1925. This is a large 3 knob TRF set also made in Niagara Falls. Have you figured out where the name came from? "Aragain" is "Niagara" spelled backwards!

A Larcoflex is displayed on the next shelf. While not actually manufactured in the Buffalo area, this set was distributed by the Larkin Company of Buffalo and is a set rarely seen today. The model displayed uses a three tube reflex circuit and was

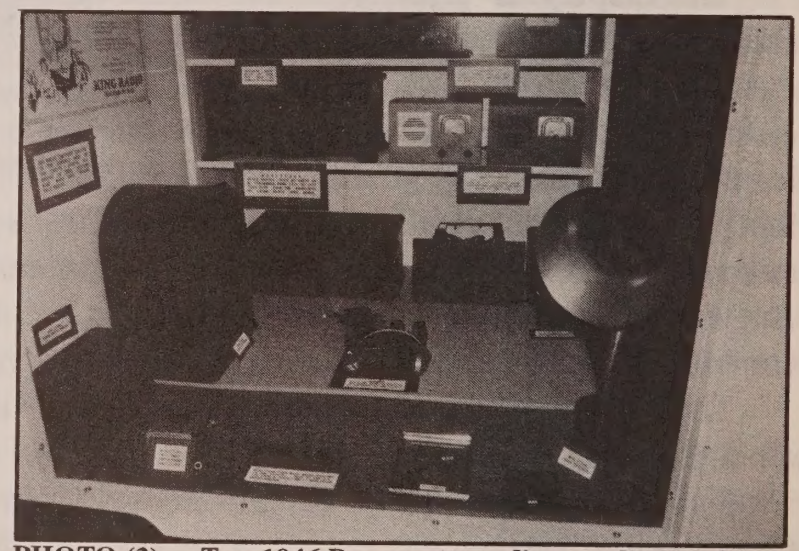


PHOTO (3) Two 1946 Promenette radios are displayed just above the brass Wurlitzer horn. A Larcoflex radio is to the left of the promenette radios. Branston head sets and RF coils are displayed in the center of the bottom shelf. Everything else on this level is Wurlitzer. Starting clockwise from the Wurlitzer cathedral is seen the three knob Wurlitzer "SPECIAL", a rack type chassis with 401 tubes, the horn, a Wurlitzer radio C battery, framed Wurlitzer employee badges, a brass tag from a "chil wel" refrigerator, and a military interphone amplifier.

Continue on page 22

Stromberg-Carlson Telephone Mfg. Co.

Rochester, New York

Model No. 340-Y · Serial No. 211704

Circa 1939

Few radios come to us with a personalized history. Many we simply trade for or purchase, and can only imagine the countless hours of drama, music and the news of far and near that the previous owners must have enjoyed. This console was all but passed over, except that it was offered as a gift by a fellow employee and good friend of my wife, Patti.

After several months delay, a trip was made to Huntington from Charleston, to pick up the set. After seeing it, we all but left it for the trash by the curb. Out of respect of the generous offer of the radio and giver's interest in my hobby, we brought it back to Charleston and stored it for ten years. Once the Museum was opened, the set was given a second look, cleaned up with some Old English and then decided - while not a thing of beauty - at least its corner cabinet configuration made it an unusual set.

The radio has now been on display for two years, viewed by hundreds of different people, including many collectors who have pointed out that they too have never seen a set like this.

The set was in the Carl Phillips' family of Huntington, and has all of the call signs in the push buttons that were typical of the area. This radio has been a constant reminder to me, and now several others, that the value of historical radio preservation goes much further than something that is eye-catching or a work of beauty. No radio should ever be tossed out because of its condition, lack of appeal, or any other reason until a determination is made of its rarity and/or contribution to the history of radio.

The following is a short description of the receiver taken from Vol. 10, John F. Rider Perpetual Troubleshooter's Manual:

These receivers are nine tube, instantaneous "Electric Tuning" superheterodyne receivers employing metal tubes and a highly efficient dynamic speaker. There are two tuning ranges, the frequency limits of each range being listed under the "Electrical Specifications".

The electric tuning circuit is arranged so that eight favorite stations located in the Standard Broadcast range may be set up for instantaneous selection by means of the push buttons. (Local and other

Continue on page 8

Continued from page 7

stations that give the best daytime and evening reception should be selected.) Manual or electric tuning for the Standard Broadcast range is easily obtainable by simply rotating the Range Switch control knob so that the arrow on the knob points in the direction of the designation for the desired type of tuning. When manually tuning the receiver in either the Standard Broadcast or Short Wave ranges, the electric tuning arrangement is make inoperative and the dial of the receiver is illuminated. When the Range Switch control knob is set for electric tuning (arrow on Range Switch control knob pointing in direction of the start), the dial illumination ceases and the station letters of the eight stations which are set up for electric tuning become illuminated. When manually tuning these receivers or when setting up the eight desired stations for electric tuning, resonance with a signal is indicated by means of the tuning indicator tube which operates on the cathode-ray principle.

A special temperature controlled compensation capacitor is used in the oscillator circuit of these receivers when operating the electric tuning arrangement in order to eliminate drift in the oscillator's frequency. These receivers are also provided with a low level bass frequency compensating circuit in conjunction with the volume control circuit so that balanced reproduction is obtained for any setting of the volume control.

The chassis used in the table models differ from the chassis used in the console models in that a 125-ohm resistor, R-29, is added in the rectifier filament circuit.

The various tubes are used in these receivers as follows: The No. 6A8 tube functions as both the Modulator and Oscillator tube. The No. 6K7 tube is used in the I. F. Amplifier and the No. 6H6 tube is used as both the Demodulator and Automatic Volume Control tube. The No. 6F5 tube is used in the Audio Amplifier circuit. The two No. 6V6-G tubes are used in the Audio Power Output Stage. The No. 6U5 tube is used for indicating resonance in the tuning indicator system and the No. 80 tube is the Rectifier tube of the Power Supply Unit.

Lloyd E. McIntyre II
President

The Printing Press

The Printing Press apologizes for any inconveniences caused by captions being reversed on a few pictures in ARCA's last issue.

HARPS

HUDSON VALLEY
ANTIQUE RADIO AND
PHONOGRAPH SOCIETY
P.O. BOX 207
CAMPBELL HALL NY 10916

" TRICK OR TREAT " at Holiday Inn, Middletown, NY HARPS fourth annual old time radio & phonograph show!

by Judy Shepherd

Last year's great radio and Phonograph show kicked off Saturday, October 23, 1993 with more than 40 vendors from four states ready to lure more than 500 collectors to their booth. Every booth was decked out with radios, tubes, phonographs, parts, paper collectibles, and even 78's and cylinders were available from four new specialty booths.

All the ghosts and goblins that haunt this wonderful world of nostalgia were treated by HARPS club President Art Kingsley and his trusty assistant Peter DeAngelo's free demonstration of an on site construction of a 39 tube radio! More demos please!!

As the crowd grew, the HARPS members tried a little celebrity revue of those attending: we thank ARC's Dick Desjalais not only for his continuing support but for setting up a booth where fellow radio fiends and friends could gather information. Lauren Peckham of AWA attended and added information to our already crowded literature table for collectors. HARPS member Brent Dierolf set up a special question & answer service for inquiries on phonographs. Thank you for this special contribution-not often will a collector let out "trade secrets".

We noted that there was one tired lady still scurrying around the Holiday Inn after all the vendors and club members had headed home with their new treasures to add to their collections; a special thank you for HARPS continued success and the growing local interest in our hobby to Linda Gramm. She has again chaired this event and welcomes you all to return to the Holiday Inn Middletown on Saturday, October 22, 1994!

Some Unique Canadian Westinghouse Company

Radio Tubes of the 1920's

Bob Murray • Winnipeg, MB Canada

The year 1993 was Westinghouse year at the annual AWA conference. In the process of reviewing the production of the Canadian subsidiary of the Westinghouse Company, some radio receiving tubes produced only for the Canadian market came to mind. In many instances of international companies, design engineering would have been conducted in the U.S. Company, and not in the subsidiaries. The subsidiary of the Crosley company in Canada in the 1920's seems to be an example of this.

The Canadian Westinghouse Company, on the other hand, designed some of their own receivers and tubes in the battery era. Two tubes, the WD-25 and WX-25 were similar in characteristics to the UX-201A, but used an oxide coated platinum filament (see table, and figure 1). The WD-25 had a UV base (originally a brass base, later bakelite), and the WX-25 a UX type base. They enjoyed a relatively brief appearance, possibly because tubes with thoriated tungsten filaments were as effective, and cheaper.

The UX-201A was refined by giving it a .125 amp filament and labelling it the UX-201B. Soon afterwards, a version with a .063 amp filament, the UX-201C was introduced. The American equivalent, the RCA-221, also had similar characteristics to a 201A and a .063 amp filament. The RCA-221 was apparently only for export, and some were sold in Canada. It can be seen from Figure 2 that the plates in the 201B and C appear identical to that in the RCA-221. Canadian Westinghouse likely imported either the plates or the dies to stamp them with from one of the RCA companies, probably Westinghouse. The 201C and the RCA 221 also differ somewhat in the way in which the electrodes are mounted. In the 201C the top end of the filament is held by a spring wire which in turn is welded to a stiff wire anchored in the base of the tube envelope. In the RCA-221, the spring wire at the top is anchored in a glass bead , and the bead in turn is fused to the stiff wire. This difference is probably not important to the functioning of the tubes, but it suggests that they did not come from the same assembly line.

It is not clear why early battery tubes should have had an extended market life in Canada, unless it was because rural areas were slower to have hydro electric power. Lower incomes in Canada may also have meant that early receivers were expected to have a longer service life.

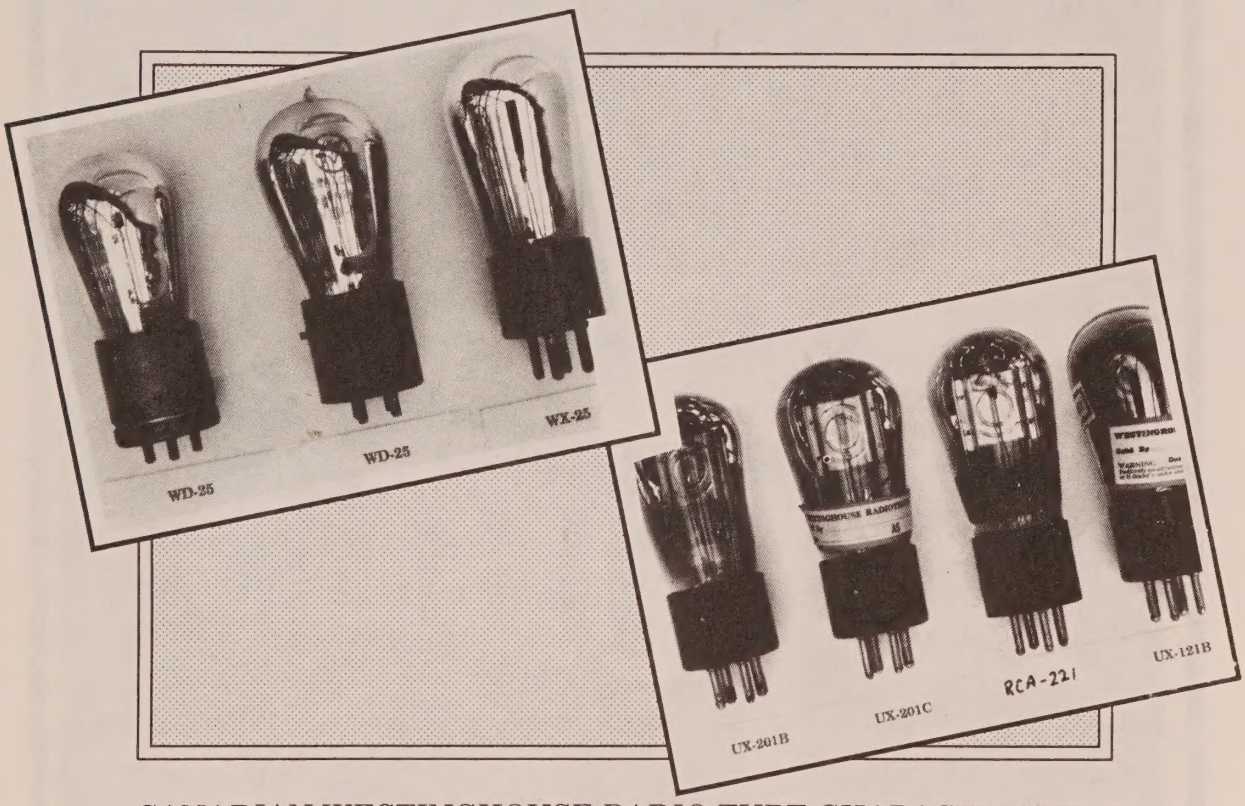
The UX-121B, released late in the 1920's (I was unable to fix the date

Continue on page 11

Continued from page 10

more precisely), was an output tube for battery receivers, somewhat along the lines of a UX-120 but appearing later.

These few tube types were produced for the Canadian market, and there is no evidence that they influenced tube design outside of Canada. The WD-25 and WX-25 are a historical curiosity overtaken by the far more popular 201-A. The 201-B and 201C seem to have primarily been a response to a characteristic of the Canadian broadcast receiver market--the relatively long service life expected of early battery receivers. These tubes also provide evidence that there was at least some tube design capability at Canadian Westinghouse in the 1920's.

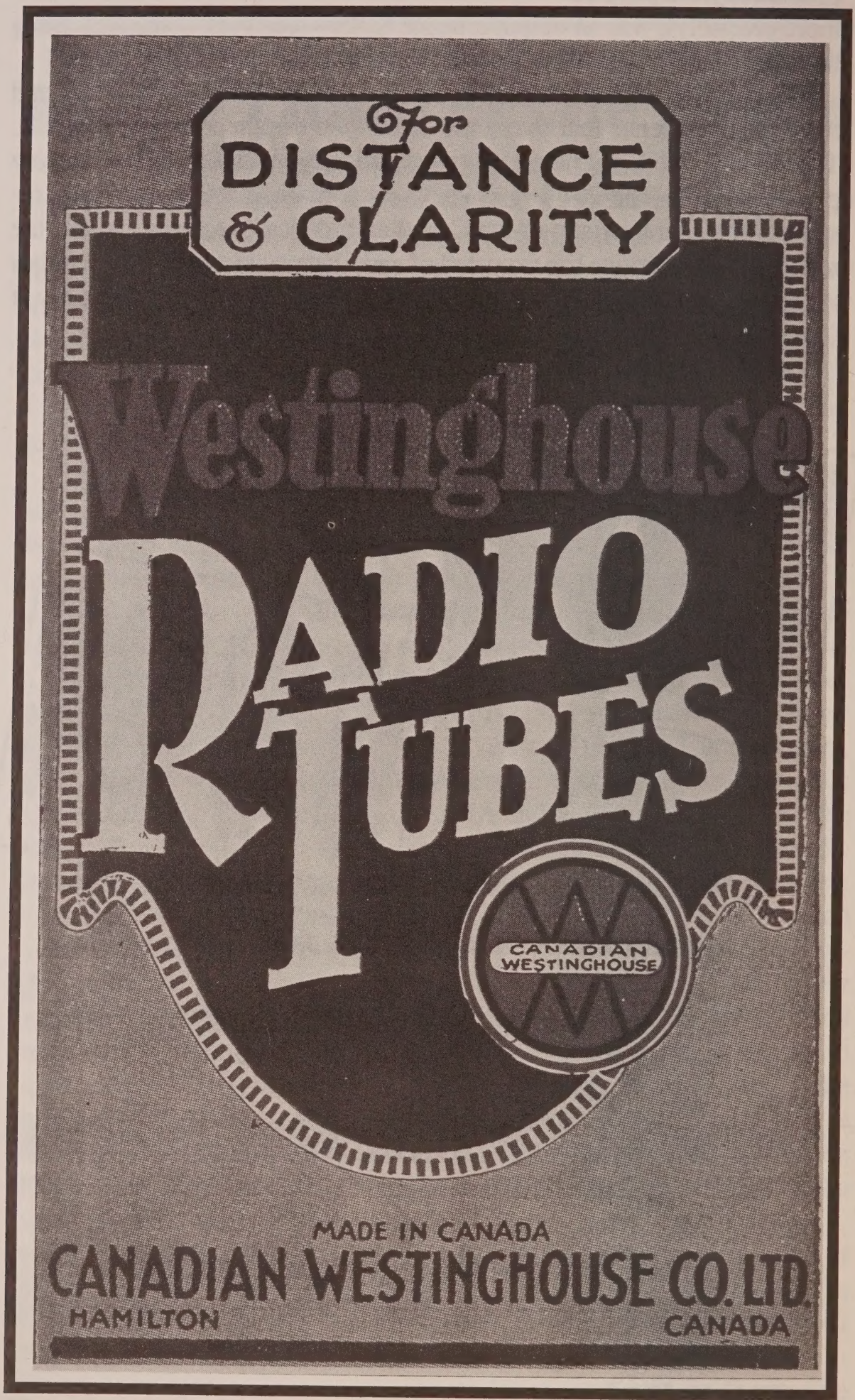


CANADIAN WESTINGHOUSE RADIO TUBE CHARACTERISTICS

TUBE	Year of introduction	Filament		Plate		Grid bias	Amplification factor	Mutual Conductance
		Volts	Current	Volts	Impedence			
WD-25	1924	5.0	0.25	120	8900	-6 to -9	8.0	900
WX-25	1925	5.0	0.25	120	8900	-6 to -9	8.0	900
UX-201A	1925	5.0	0.25	135	10000	-6 to -9	8.0	800
UX-201B	1927	5.0	0.125	135	10000	-6 to -9	8.0	800
UX-201C	1929	5.0	0.063	135	10000	-6 to -9	8.0	800
RCA-221	1930	5.0	0.063	135				
UX-120	1925	3.0	0.125	135	6500	-22.5	3.5	500
UX-121B	192_	5.0	0.125	135	5250	-16.5	5.0	1000

Note: Shaded lines are U.S. made tubes shown for comparison.

Continue on page 12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TUBES
CANADIAN
WESTINGHOUSE
MADE IN CANADA
CANADIAN WESTINGHOUSE CO. LTD.
HAMILTON
CANADA

Editors Note RE:
While attending the Antique Wireless Association conference last fall in Rochester, NY I was so impressed with the work of Billy Richardson that I requested he write his story of this work of art. With the urging of Ralph Williams we now bring you the "rest of the story"

A FEDERAL IS BORN

By: Billy Richardson

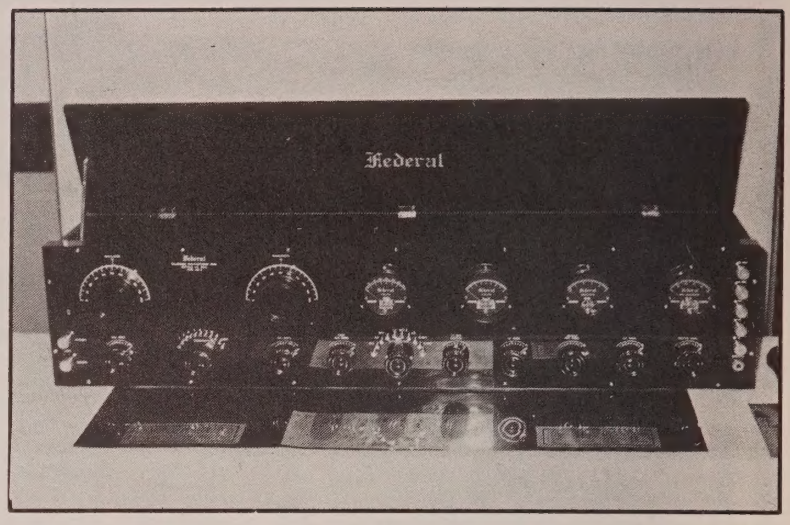
The Federal 109-S began with a simple idea-what to do with two new Federal long wave transformers that were bought in the AWA flea market just because they were a bargain and looked real impressive. After a year or two of being bugged by these transformers, a simple idea came to mind. They should made good I.F. transformers for a superhet. Of course it would be nice if they were used with a few other Federal parts, if such things existed. They did. Did you know that Federal made enough different kind of parts to build an entire superhet? I didn't. Now the idea is not quite so simple. A few parts begin to show up, but they were not new in the box bargains. After a few years scrounging, and daydreaming about how to use each part found, the day finally arrived when "there has to be enough to build a superhet". Now, if Federal built such a radio, what would it be like?

Well, Federals are built like a fireplug-big and heavy, so that's how this one will be. Federals have lots of knobs, and those were the easiest kind of Federal parts to find. Federals have black shiny front panels, so no one can say that this one is overdone. Federals are black, except with just enough hardware to set it off, and this has to be silver. Well, green silk covered wires on the coils is O.K. Federal is quality, and that's how a superhet should be.

How should a Federal superhet look? Superhets are long, so that part is easy. Superhets have meters on the front panel, but that won't be so easy, because the meter dials have to be black. Black dials with the Federal logo. With the matching serial numbers. With silver pointers. Where do you stop? Also binding posts on the front panel. Why? Because that's what I like, and this is gonna be my radio. Big binding posts. Silver. The front panel has to be engraved just like all Federals, with the exact type logo and all the other

Continue on page 14

Continued from page 13



markings. When someone looks at this radio, they will know it is a superhet-they will know it is a Federal.

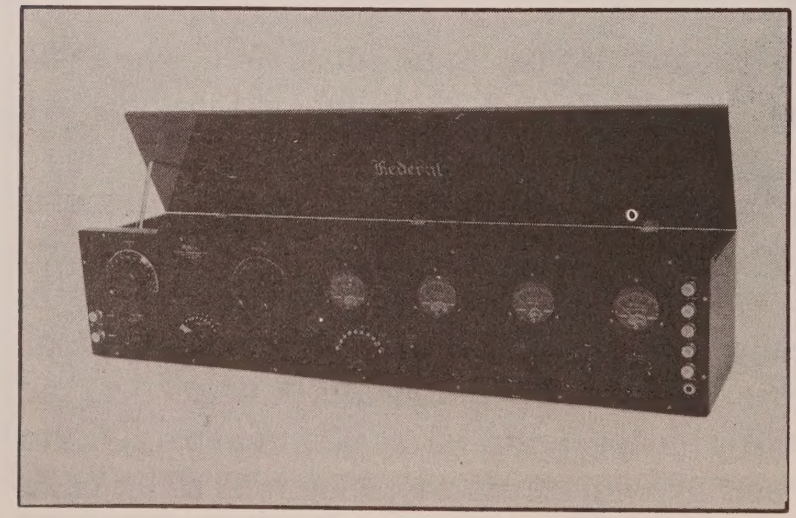
The circuit for this Federal will be something special. it will work better than any other Federal, and it will be as good or better than any other make. The technology used will be from the mid twenties, because that's what I know best, and it will be better, in spite of my knowledge.

The circuit is designed around three Federal #32 long wave transformers, rated from 1000 to 3000 meters, about 100 to 300kc. Actually these make better I.F. Transformers than they do long wave transformers. Their frequency response is nowhere near flat, and all three peak at 175kc. A filter transformer was designed at this frequency by winding small honeycomb coils on a core similar to the other I.F.'s.

The tuner is similar to the Federal Model 110, with a tapped autoformer for the R.F. stage and a #35 transformer for the detector. This transformer peaks in the lower part of the broadcast band and special provisions had to be made to prevent feedback problems here instead of the usual higher frequencies.

The oscillator coil is wound on a form that matches all the others, making a total of 5 snap-in transformers. This winding is on the exterior, with the pick-up coil inside.

This arrangement gave so much gain that a more stable, selective receiver could be designed at its expense. This allows performance with the antenna tap one turn away from ground and for the I.F. filter to have extremely loose coupling. The audios were rewound (both open) at a lower ratio, giving a better response, with more than enough amplification.



This receiver

Continue on page 15

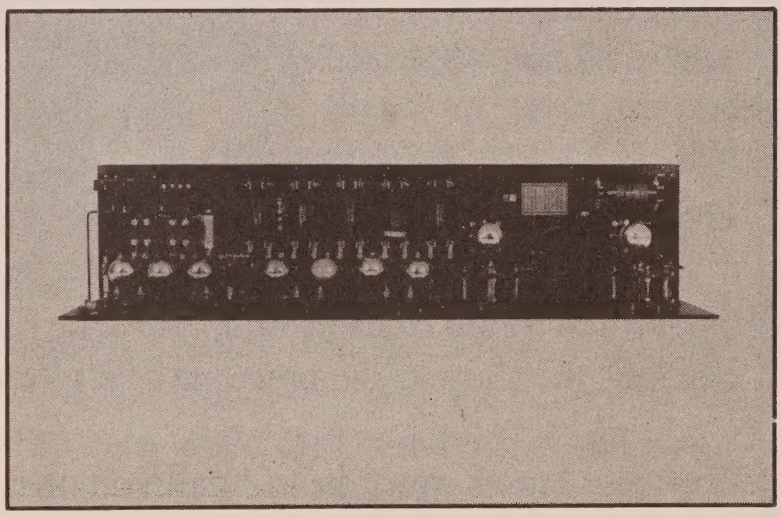
Continued from page 14

was completely designed using Auto Cad, a computer drawing program that is more versatile and accurate than a drawing board. Every part was accurately measured with a micrometer if necessary, and entered into the program. Once these parts are drawn, they can be duplicated, rotated and moved to any position to give the best layout for a complete set of plans. Templates were used for drilling the panels, laying out the engraving, and to bend, cut, and fit the bus wire.

This same program was used to reproduce the paper labels and decals where necessary. Blank decals, silk screened with silver, were used to create the meter dials and Federal name inside the lid. The paper labels were aged with a secret process (put'em on a cookie sheet and bake'em like grandma's biscuits until they are done the way you like).

The cabinet was also designed in the computer and plans used its construction. It pains me greatly to admit it, but I cheated. The material for the entire cabinet and front panel is black plexiglass. It should have been wood and phenolic, but at least the outside of the cabinet is grained to knock off the gloss, and the front panel sure does shine-just like a Federal.

If all this computer stuff makes things sound fast and simple, it just ain't so. A computer does not restore parts, experiment with circuits, or have an imagination. It does not recognize beauty or fall in love. The love of old radios can cause someone to design and build a beauty from a figment of their imagination, in about four months, full time, usually seven days a week, and many of those days 15 to 18 hours. Maybe it wasn't such a simple idea after all.



There is one thing simple about the set though-it's simply the best performing superhet in my possession, and that's stacking it against some very well known circuits. Performance is definitely better than the others with a loop, and selectivity is at least as good or better on long wire. The greatest fault is that it still has too much gain, and almost every knob on this thing has to be carefully twisted for quiet operation and least distortion. All it needs is about a 500k pot across the secondary of the first audio, and the knobs can be set and left alone; then it's as tame as a gentle milk cow. Federal did not make such a thing then, but maybe they will some day, and it can be updated.

Continue on page 16

Continued from page 15

While the set was being packed in a box after AWA's contest, someone watching suggested that a Federal box should have been made for it. I didn't think of that either. Evidently I didn't have enough imagination.

Oh, about the model number, 109-S. That's Federal's 1st. 9 tube Superhet. Simple when you know how they do these kind of things.

Its a Superhet, and its definitely A FEDERAL.

HARPS

HUDSON VALLEY
ANTIQUE RADIO AND
PHONOGRAPH SOCIETY
P.O. BOX 207
CAMPBELL HALL NY 10916

Middletown, NY- The Fifth Annual "Old Time Radio and Phonograph Show" will be held on Saturday, October 22, 1994 from 8AM to 4PM at the Holiday Inn Middletown, Exit 122 off Route 17, Middletown, New York.

This is an all-indoor show. There will be a $2.00 admission charge for the public. Refreshments will be available.

Sponsored by the Hudson Valley Antique Radio and Phonograph Society, the show is the only one of its kind in Orange County.

Growing larger every year, hundreds of collectors attend, and exhibitors representing at least five states participate each year. Some items which may be available at the show include console and tabletop and phonographs, advertising, parts, manuals 78's and cylinders from the early 1900's through the Big Band Era, books and collectibles related to the radios and phonographs. For more information, directions or exhibitor information, please call Gramm-O-Phone Antiques (914) 427-2602 (ask for John or Linda) or HARPS President Art Kingsley at (914) 446-4091 between 6 and 9pm.

A GEM IS FOUND

By: Ron Frisbie

While everyone up North was enjoying the snow and ice storms of 1994, the writer had to be stuck in sunny Florida for the month of February, with nothing to do but play tennis, swim and walk the beach each day. After two weeks of this, like any avid radio collector, I decided it was time to look around for a gem that someone may have overlooked, that could be added to my collection. After visiting three antique shops, a gem was found, but it could not be transported to Pennsylvania.

The first two shops had nothing but the usual Bakelite sets with missing knobs and cracked cases, but the third shop referred me to a gentleman who reportedly had a collection of old radios in Sarasota, and his name was Donald Dean. Upon arriving back at my apartment, the telephone directory revealed that there were four Donald Deans listed. The first one was rather annoyed when I asked if he was the Donald Dean who collected old radios. The second one was a little more cordial and told me he was not a radio collector, but proceeded to tell me his grandfather once had a Philco radio that had short-wave--and--and---and--what would it be worth today? When the third Donald Dean answered, I knew by his response that the man I was looking for was at the other end of the line. After talking for a few minutes he invited me to his home, which was relatively close by. I told my wife that I would be back before lunch, but as you might guess, it was nearly six hours later when I finally returned.

Don Dean is a gentleman 87 years young. Upon meeting him you would think that he is twenty years younger than his age because he has the enthusiasm, energy, and appearance of a man in his early sixties. When I asked him what he attributes his keen mind and young appearance to, he quickly replied-"RADIO". He says that radio con-

Continue on page 18

Continued from page 17

tinues to fascinate him as much today as it did when he first became involved in 1922.

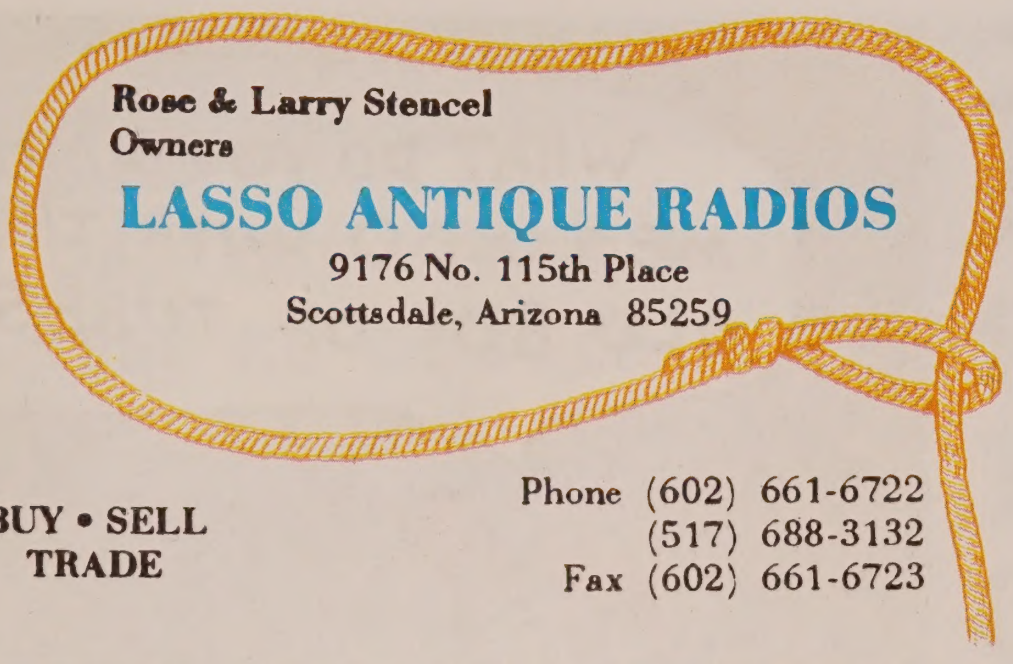
Originally from Michigan, Don received his amateur license in 1924 and found his first radio employment with the J.L. Hudson Department Store in Detroit, installing antennas. Shortly thereafter it became evident that Don had great expertise in repairing receivers and he decided that this was what he wanted to do the rest of his life. How many of us can say we have spent a lifetime doing the same job and find it as fascinating and enjoyable as it was when we started out 70 years earlier.?

With absolute perfect recall, he spoke about several unusual technical troubles encountered over the years and then proudly added, "I never gave up on any of them." During my visit, one interruption occurred when a Cathedral was brought to the shop for repairs.(SEE PHOTO # 1)

A few years ago Don was not feeling well and the doctor put him through several tests, only to find nothing physically wrong. Upon closer examination, the doctor found that because of the slow down in the economy, people were not bringing in their radios for repair. When the economy improved, Don was busy again and he had no more health problems. (Perhaps there is a message here for all of us.)

Although no gem was found for my radio collection, one was found that will be long remembered.

Address: **Don Dean 1711 Colleen Street**
Sarasota, FL 34231



Radiofest 1994 August 3-6

Holiday Inn, 345 River Road, Elgin IL 60123

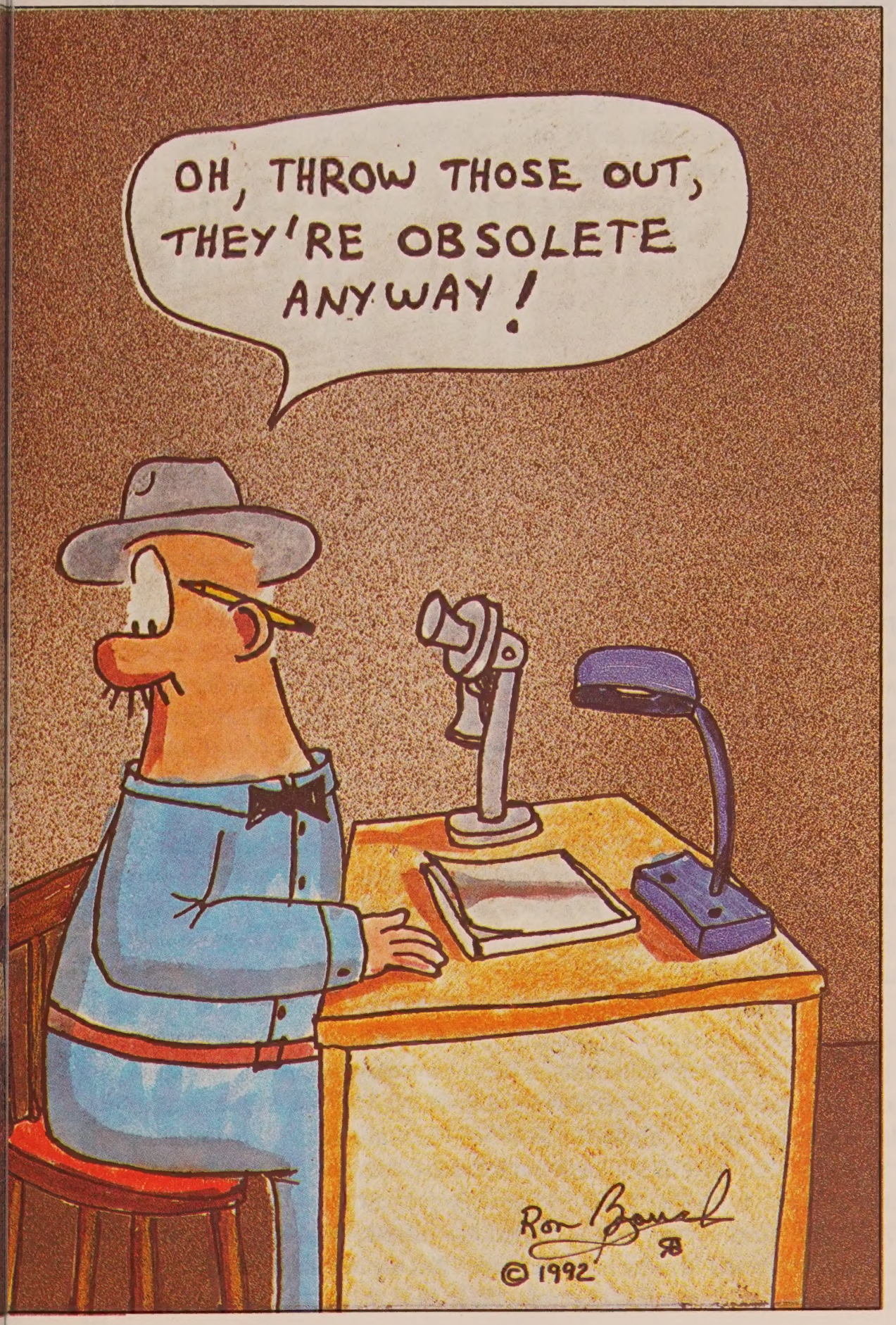
(708) 695-5000 for Reservations

- Flea Market - Wed. - Sat. Noon
- Contest - Thurs. Morning
- Muchow's Museum - Thurs. 10-4
- Banquet with entertainment by the Charlie Rex Trio-Thurs. Evening
- Bro. Patrick Dowd Presentation - Fri. Morning
- Main Auction - Fri. Afternoon /Evening
- Display - "Atwater Kent" Open Each Day
- Ladies Day Program - Thursday and Saturday
- Junker and Clunker Auction - Saturday 9:30am

See Jan. 1994 issue of ARCA or ARCI news for registration blank or SASE to:
Jeff Aulik, 1708 Parkview Ave., Rockford IL 61107
Phone (815) 399-1902 Evenings or Weekends

Thanks, Jeff Aulik

CARTOON CORNER


OH, THROW THOSE OUT, THEY'RE OBSOLETE ANYWAY!
Ron Barrett '92
© 1992

Continued from page 6

built for Larkin by Erla. Larkin sold mail order radios throughout the U.S. for a number of years from about 1924 through at least 1928. Larkin even produced a separate 16 page catalog of mail order radio products in about 1924. They provided everything needed from 5 types of tube sockets, batteries, chargers, panels and tubes to complete receivers including a Metro jr. crystal set and three and four tube reflex receivers capable of driving a horn which they also sold.

PHOTO (4) 1920s radio work bench.

On the same shelf with the Larcoflex there are two Promenette radios. Prominette built radios in Buffalo for one year in 1946. Most are of unusual design in that they employ slug tuning and have no tuning capacitors. Many also make use of a small aluminum plate in the top of the cabinet for an antenna. Obviously such an antenna could only pick-up the E-field vector of the incoming signal and was too small to even do that very efficiently. When you put your hand on top of one of these sets the performance really jumps! Prominette actually did make it into the Riders manuals with the model 501 schematic shown in Rider volume XV, page 15-14 misc.

Another early Buffalo manufacturer was Branston. Although I know of at least four Branston receivers still in existence, I don't believe any of the local collectors in the NFWA own a Branston set. However Branston also made RF coils, head sets and loop antenna and some of these products are displayed.

Finally there is a bunch of Wurlitzer products. Five Wurlitzer radios are included as well as a "C" battery with the inscription, "Wurlitzer Radio C Battery", a Wurlitzer horn, a WW II Military interphone amplifier, and even the I.D. tag from a Wurlitzer "Chil Wel" refrigerator made locally in N. Tonawanda in the 1930's. There are also a few Wurlitzer "specials" and next to it a rack mounted set with five Kellog type 401 tubes. There is also a "Lyric" Cathedral. Not all lyrics were made by Wurlitzer. You have to read the chassis and cabinet label to be sure. If the cabinet is labeled "Product of Wurlitzer" that means Wurlitzer made the Cabinet. If the chassis ID tag states "made in N. Tonawanda" that means

Continue on page 23

Continued from page 22

the chassis was made by Wurlitzer. The Lyric name originally came from All-American Mohawk but Wurlitzer took over the name Lyric in later years up until they dropped the radio line 1937 when manufacturing juke boxes was found to be much more profitable.

The final Wurlitzer radio is a big heavy 12 tube console with two speakers and carved cabinet and doors. This beauty was one of their later products and incidentally was the type of radio that gave them the expertise to build juke boxes. Wurlitzer learned to build speakers, amplifiers and fancy cabinets from producing radios such as this big console. They only needed a good record changer to go into the Juke box business. They hired Homer Capehart to give them that knowledge and they were on their way.

PHOTO (5) This photo shows some of the radio artifacts owned by the Amherst Museum. This includes a Scott Console, an A.K. Breadboard, a glass enclosed 1920's set and a Baird mechanical TV with scanning drum.

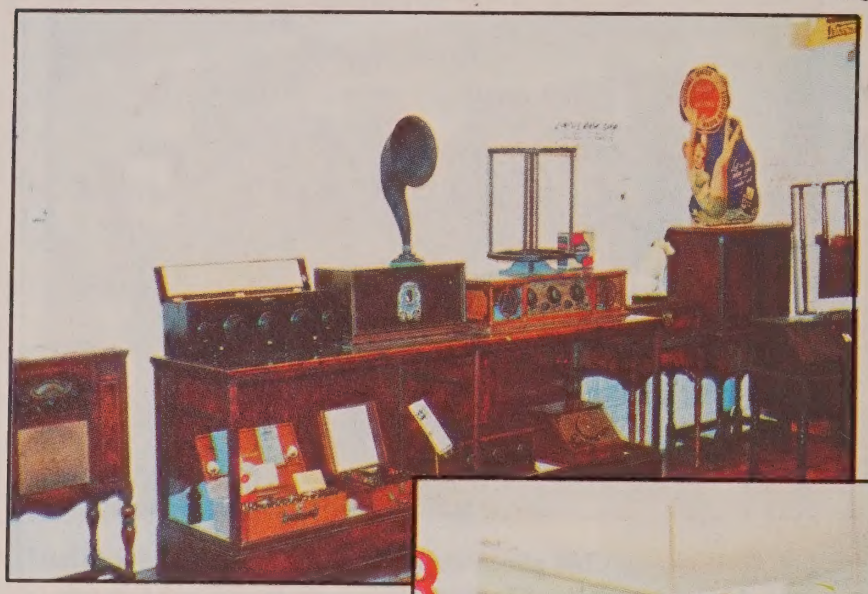
The final show window in the antique radio store front displays radios from the King / Colonial / Sylvania line. King / Colonial was controlled by Sears so some of these sets carry the Silvertone label rather than the company name. There is a nice Colonial globe set and a King 3 knob TRF kit radio in the original box. A large wet cell B+ battery made in Buffalo is shown, and there are numerous small plastic Sylvania sets with miniature tubes and carrying the Colonial label inside the cabinet.

One small Colonial radio has a nice inlaid wood cabinet with the Adler Royal name. Adler Royal sets were also manufactured in the Buffalo area.

The Amherst Museum may be reached by taking New York State thruway exit 49 North, about 9 miles on transit Rd. (RT 78) to Tonawanda Creek Rd. Here turn left (west) and continue about 2 miles to New Rd. Be sure not to go too far North and get into Niagara county. The Museum is open Tuesday through Saturday from 9:30 until 4:30 except holidays. You can also attend the big NFWA summer antique radio meet. For more information please contact Larry Babcock (716) 741-3082 or 8095 Centre Lane, Amherst, N.Y. 14051.

A Bit of History

Museum of Radio & Technology Inc.

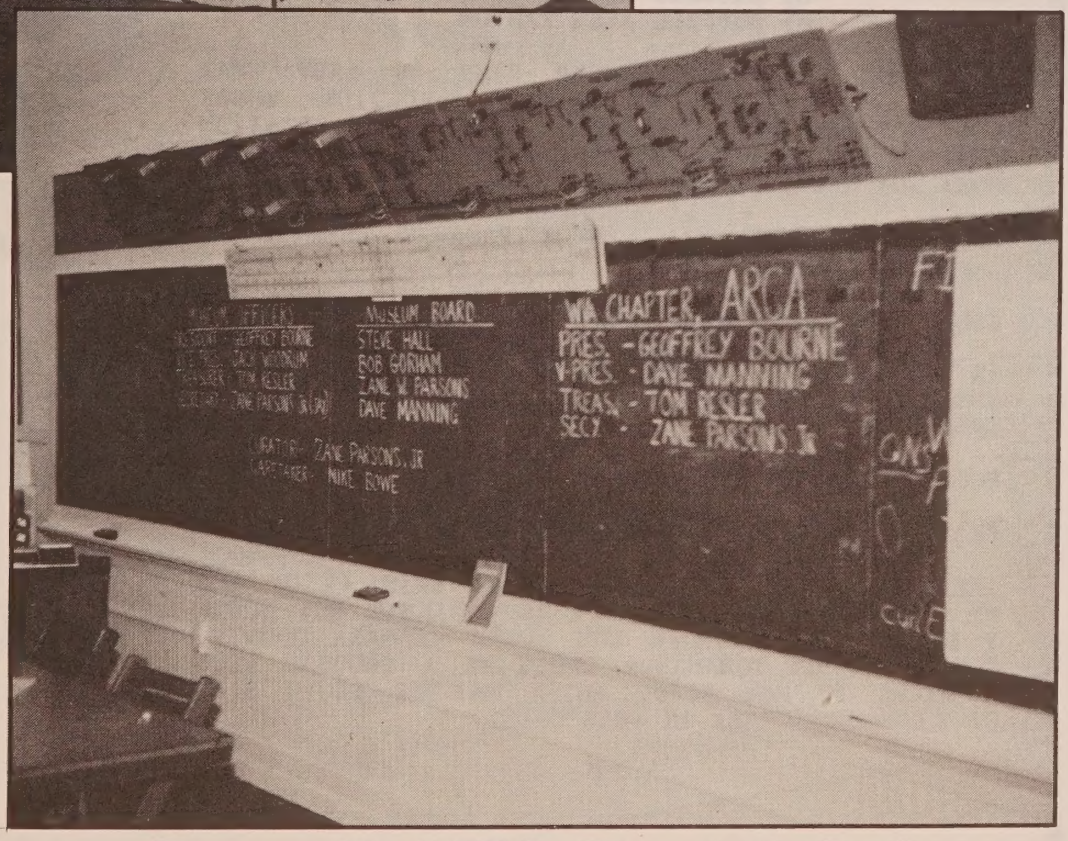


Display Frank Lynch Radio Shop CIRCA Late 1920's

Dealer Showroom CIRCA 1940's

Frank Lynch Radio Shop CIRCA late 1920's

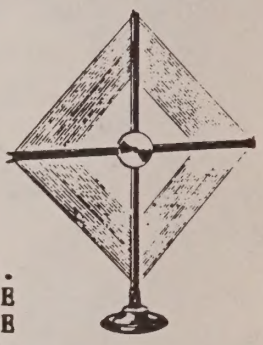
"Dealer Showroom"
CIRCA Late 1940's



Classroom of the 40's Philco Demonstration Panels
Classroom Sliderule All in working condition

ANTIQUE RADIO MEET

NFWA



13 AUGUST 1994
8:30 AM-3:00PM

AMHERST MUSEUM

THIS WILL BE A JOINT MEET WITH THE A.W.A. AND OUR LARGEST MEET OF THE YEAR. OVER 100 PEOPLE ATTENDED LAST YEAR. PLANNED ARE A LARGE ANTIQUE RADIO FLEA MARKET, EQUIPMENT CONTEST,TWO AUCTIONS, A PROGRAM RELATED TO EARLY RADIO AND AN EXHIBIT OF EARLY RADIOS MADE BY MANY LOCAL COMPANIES.

CONTEST:
- o) CRYSTAL SETS
- o) AC RADIOS
- o) BATTERY RADIOS
- o) BUFFALO AREA RADIOS

AUCTIONS: WILL BE THE SAME AS LAST YEAR WITH A TAILGATE AUCTION WHERE YOU MAY SELL YOUR PERSONAL ITEMS AND A DONATION AUCTION FOR ITEMS WHICH YOU HAVE DONATED TO SUPPORT THE NFWA. PLEASE BRING ITEMS TO DONATE.

PROGRAM: THERE WILL BE A PROGRAM RELATED TO EARLY RADIO

RADIO EXHIBIT: THERE WILL BE AN EXHIBIT OF RADIOS MANUFACTURED IN THE LOCAL AREA IN THE AMHERST MUSEUM. THE MUSEUM WILL ALSO HAVE ITS COLLECTION OF EARLY RADIO DISPLAYED IN THE SAME EXHIBIT HALL.

FOOD: COFFEE, POP AND DONUTS WILL BE AVAILABLE

FEE: $2 PER PERSON. (NO EXTRA FEE TO SELL!)

THE MUSEUM MAY BE REACHED FROM EXIT 49 OF THE NY STATE THRUWAY. TAKE RT 78 (TRANSIT RD) NORTH 9 MILES. JUST BEFORE YOU ENTER NIAGARA COUNTY, TURN WEST ON TONAWANDA CREEK RD & PROCEED WEST 2 MILES TO NEW ROAD. (STAY ON THE SOUTH SIDE OF TONAWANDA CREEK IN ERIE COUNTY.)

Member Letters

Please find enclosed a check for $24.00 for a 1993 (current year) and a 1994 membership in ARCA. I recently acquired a lot of your old ARCA gazettes and found your issues to be very informative and very well done. Consequently, I wish to receive all remaining issues for this year and next. I especially enjoy Ross Smith's series of Transistor radios although he is not quite as accurate on some things as he could be. I'll write him on what I know.

Thanks and good hunting,

Joe Knight
132 N. Grand Ave, #F
San Pedro, CA 90731

Please find M.O. for 5 year renewal.
I enjoy the Gazette & especially the color pages. Any chance of articles on items used in Radio Broadcasting of the 30's and 40's?
Ex: Records (& how they were played) How the networks were run etc.?

Thanks
David Derzanovich

Please renew my membership for 1994 (3rd year)
The club & activites are "Great"... How about more.
See you at "Spring Break 1994"

Robert Binder

Love Thy Neighbor
Basket Case Restoration

by Stephen Kalista

I recently repaired and rebuilt a radio for my neighbor, which I called the "Basket Case" - a Philco? (See Fig. Bottom Right)

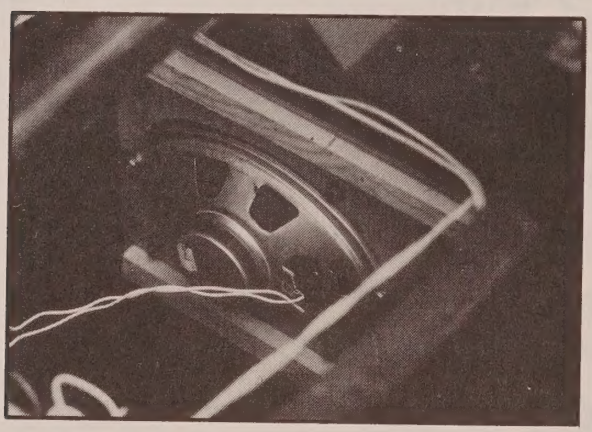
For $39.00 this radio had no speaker and a frayed line cord. I had to design a speaker for this radio. On one wooden pallet, I mounted a transformer to match the output impedance of the P.A. (Top Left) Tube and connected an 8 ohm magnetic speaker to it on a separate pallet. (B. Left)

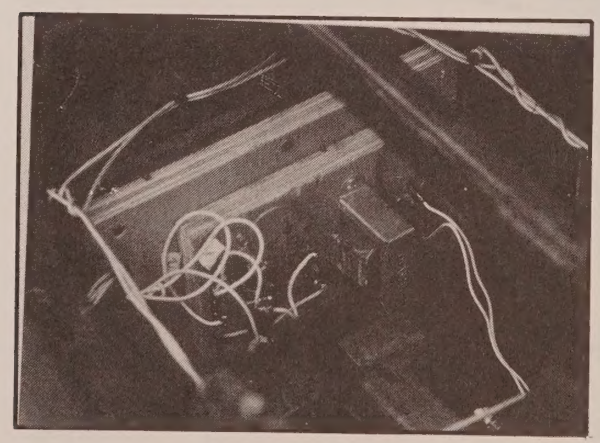
To simulate the field coil, I used a 20 watt wire-wound resistor (tapped) and adjusted it to 1800 ohms. All electrolytic capacitors, plus coupling and bypass capacitors were replaced, as well as the line cord. I replaced one tube, two tube sockets, and reinsulated one IF transformer. The volume control plus three knobs were also replaced.

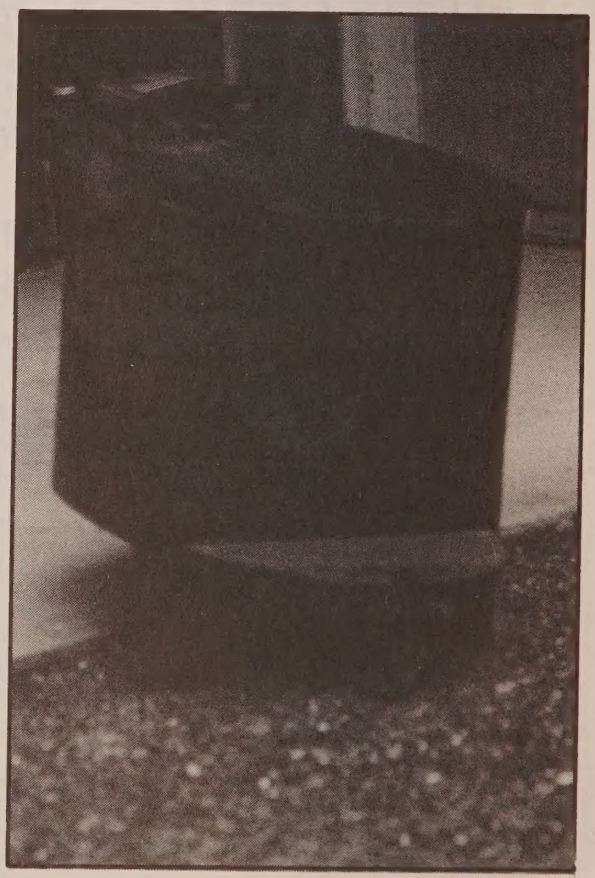
The radio worked for 5 minutes, then no music!

After many hours, I finally found the trouble. A leaky tubular capacitor in the local oscillator circuit.

The neighbor had a cat. The bottom of the radio had an opening. If the cat crawled into the radio while it was on, the cat would be zapped by high voltage. I covered the opening with "chicken wire" and made a loop antenna, which was connected to the "chicken wire". This radio is 2 band - parts cost $35.00 wholesale.







Member Letter

Is ARCA still in business? -Haven't received any written communication from the outfit since the summer 1993 issue of the Gazette! Maybe my tube sales at Huntington left the gang too broke to carry on!

Doggies-, in January when I should have been paying my dues, I was visiting Pine Ridge, Arkansas. Visited the Jot-Em Down store and Mose Moots Barber Shop but didn't see Lum, Abner, Gran Pappy Spears, Cedric, Squire Skimp, or any of the other "Characters". I talked to the Post 'marm, Kathy Stucker, though. She says the ancestors of the old fellows and others (the national Lum & Abner Society) get together in Pine Ridge in June for an annual convention of the NLAS (Exec. Sec., RT 3, Box 110, Dora, Al 35062)

I got back to Colorado - "worn to a frazzle" (as Lum used to say), but rested enough now to pay my dues, Sorry they're so late.

Hank Dequasie

P.S. You're in my old neck-of-the-woods - was born in Sewickley, H.S. in Leetsdale, and an E.E. from Carnegie Tech. I usually start braking coming up 79 at Washington, PA for the turn-off across the Ohio river when I visit the old gang!

Send Me Your Disks!

Hello, My name is Jeff Neidlinger. Most of you as authors submit work to me from a computer, of which some of you even send me your disk. This really speeds up the typesetting, layout and design process. I would really appreciate it, if you do use a computer, for you to send me your articles. You can send your articles as usual to Lloyd McIntyre and include a disk, he'll in turn get them to me.

I am using an IBM compatible computer. If you use any of the following programs send them in: PageMaker, Write, Word Perfect, or WordStar.

If you don't use any of these programs, don't worry you can still send me your ASCI or TEXT files. All you have to do is save the file as straight text, which will allow me to download it to my computer. If you have any doubt or if you are unsure whether your disk will work, send it anyway! If you have any questions don't hesitate to call me at (304) 744-7949. I would be glad to answer any of your questions.

I'm looking forward to hearing from you. Thanks again.

Your ARCA typesetter

Jeff Neidlinger

Secrets of the National Monodyne

by Alan Douglas

Ever wonder what makes a National Monodyne "tick"? I doubt, in fact, that they ever did tick, or they would have been more popular. But of your set has been "improved" or otherwise modified, these photos on the next page may be of some help in finding what was done to it.

As I pointed out in the June 1987 Radio Age, this ten-dollar wonder was two years ahead of the real Crosley Pup, and should have been an instant success. But the lack of an Armstrong regeneration license evidently did it in, and the world had to wait.

THE ANTIQUE RADIO CLUB OF AMERICA, INC.

Regardless of the month in which you joined ARCA, renewal dues are payable in January.

ONE-YEAR
$15 U.S. in USA / **$15 U.S.** in Canada / **$16 U.S.** in all other countires.

FIVE-YEAR
$55 U.S. in USA / **$65 U.S.** in all other countries.

LIFE MEMBERSHIP
$175 U.S. in USA / **$222 U.S.** in all other countries.

Convert **FIVE YEAR MEMBERSHIP** to **LIFE MEMBERSHIP**
$125 U.S.

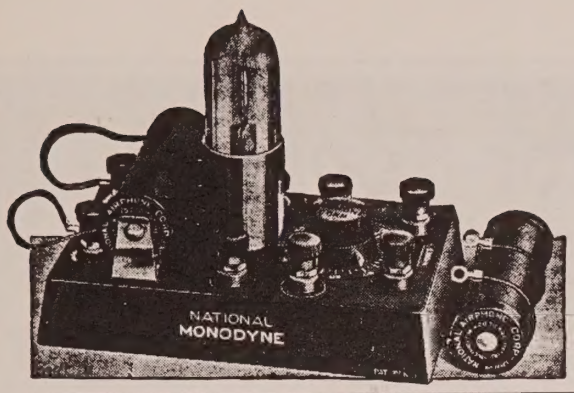
(**LIFE MEMBERSHIPS** are payable in installments **$50** each and a final payment of **$25**).

Make check or money order payable to **ARCA** (Payments from outside the U.S. should be made by International Postal Money Order or Bank Money Order) and send to:

ARCA • William H. Dawson
300 Washington Trails, Washington, PA. 15301-8210

New membership card will be mailed to you with next ***Gazette*** *following receipt of payment.*

Due to increased printing costs and the fact that over the last two years the increased size of the Gazette has added a unit of postage the Board of Directors authorized a modest $3.00 increase in one year dues USA only. This will be effective January 1, 1994. Take advantage of the five year membership and avoid the increase. This will help your club also by cutting down on the amount of renewals that our secretary must process. We hope to continue to bring the collecting hobby the only regular color magazine offered. Tell your friends and sign up a new member today.

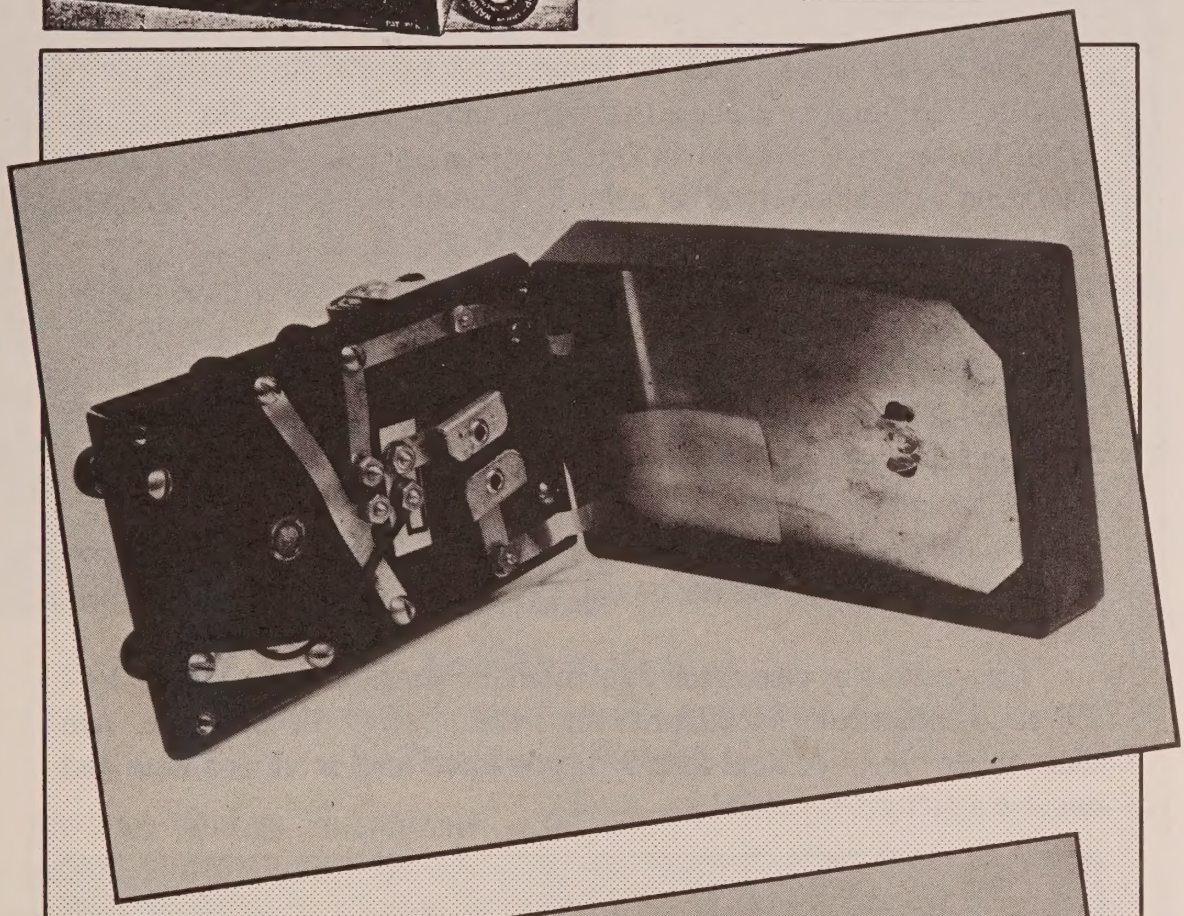


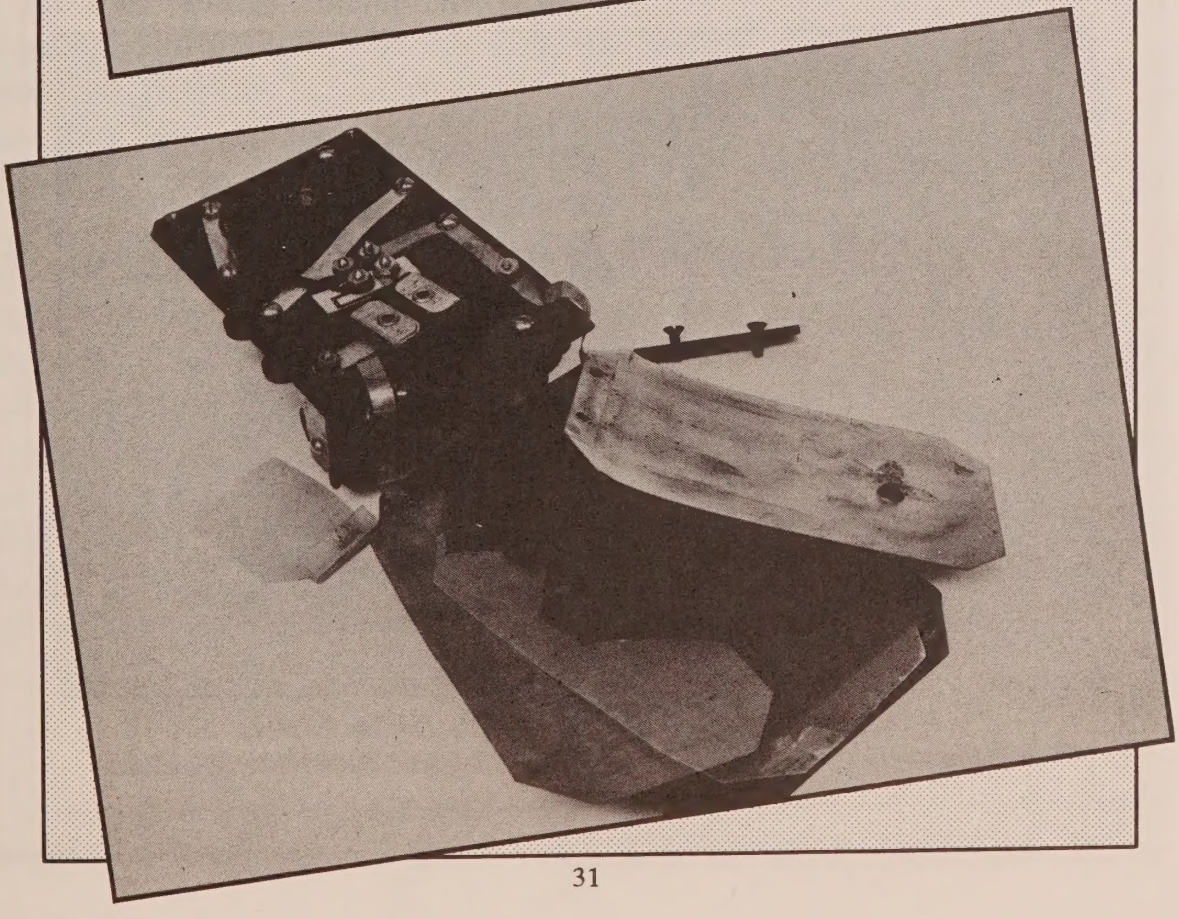
NATIONAL MONODYNE

PAT. TRADE MARK PDG.

TUBE SET

MODEL GT-1





Transistor Topics

by Ross Smith

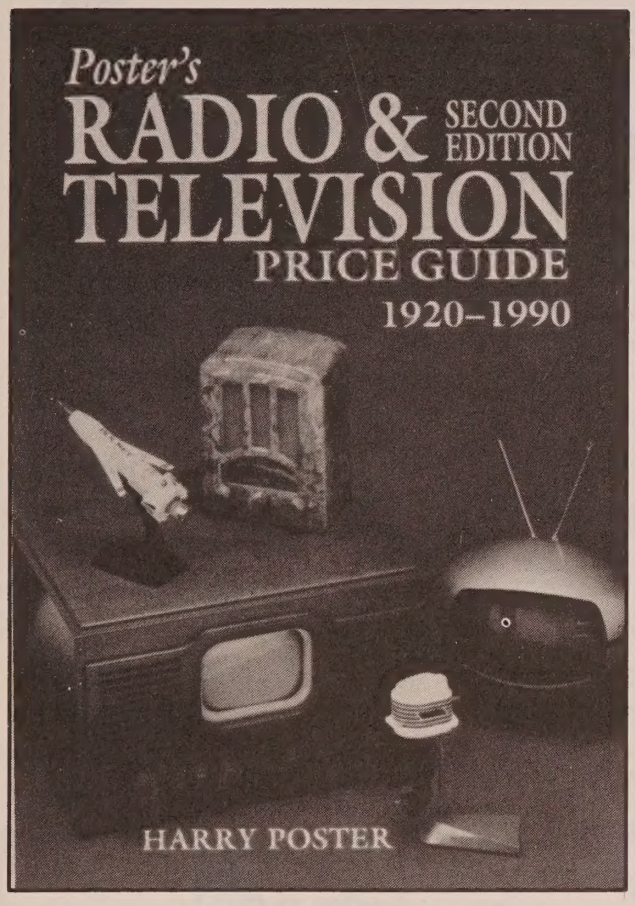
Automatic Radio Model TT600 "Tom Thumb"

The Model TT600, made by Automatic Radio Manufacturing Co. of Boston, Massachusetts, has a two transistor "Hybrid" circuit, the third Hybrid set we have reviewed in Transistor Topics. It is a three tube broadcast band superheterodyne set using subminiature tubes plus two audio transistors in push-pull driving a 2 ¾" speaker. It is not a shirt pocket size like the TR-1 but one of the nicest packages I have ever handled, just the right size for a portable radio with a handle on top. It looks and feels like an all-transistor set, housed in a small case measuring 6" x 4" x 1 ¾" deep. It is the smallest of the three "Hybrids" that we have covered. You can see by the picture that the words "Tom Thumb" and Transistor Radio" appear on the front of the set.

Room is included in the small case for a 4 volt "A" battery (Eveready 415). The 4 volt "A" battery powers the tube filaments and the transistors.

This radio was also made by Automatic for Firestone (Model 4-C-29) and is practically identical to the TT600 except for the name. Are there other "Hybrids" out there? If you have one, send us a note and enclose a picture, if possible.

Picture courtesy of CTS-Turner Museum, by Joe Carlson.
The Automatic TT600 is from the collection of Charles Miller, Elkhart, Indiana.



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Hundreds of listings arranged alphabetically by manufacturer include the model number, date of manufacture, description, and current value. A brief history of each manufacturer. Illustrations and 150 black-and-white photos.

255 pp + 8 color pp
ISBN 087069-687-4, pb
LC #93-30047
$17.95/$22.50 Canada
Ordering info. on pages 40 & 41

Transistor Radios: A Collector's Encyclopedia and Price Guide by David and Robert Lane

Collectors, dealers, and anyone interested in transistor radios will find this book informative and fun. This price and identification guide to more than 2,500 transistor radios includes history, collecting tips, and guidelines for care and restoration. Radios of every size, color, and description (including novelty and figural radios) are featured in hundreds of black-and-white photos and eight pages of color.

192 + 8 color pp, 8 !/1/4 x 10 7/8
July
ISBN 087069-712-9,pb
EAN 9780870697128
$19.95/$24.95 Canada
Ordering info. on pages 40 & 41

Member Letter

Enclosed find a Royal Bank cheque for renewal of membership for 1994. The reason for the cheque submission is that it is "tuned" to my computer and keeps my obligations and commitments visible!

I look forward to receiving each edition of the Antique Radio Gazettes but every 15 or so years, I sell them off! Hi! I recently sold a collection to a chap on the West Coast and he was more than thrilled to received them!

I contacted Mel a few weeks ago (via phone) and was quite "shook-up" to find out he was in the hospital! I have since found out he is resting at home and recovering. All the Best to the Organization and yourself for '94 and take it easy.

Best regards
Fred W. Creed VE3DZ

Member Letter

I am in the process of starting my own radio theatre company in an attempt to revive the art of the theatre of the mind. Would you be aware of other radio theatre groups in the country? If so, I can sure use all the help available in getting this project going. I would appreciate any help possible. I thank you for your time and attention.

Sincerely,
Hugh B. Paxton
Post Office Box 3139
Auburn, California
95604-3193

FRANK MUNN

A biodiscography of
The Golden Voice of Radio
Rodney Steiner and Thomas A. Delong

Named by critics and listeners in poll after poll as one of the most popular and enjoyable voices of radio, tenor Frank Munn is the subject of a new biography and discography - the first book on this talented performer and unassuming individual. To mark the centennial of this gifted singer of early broadcasting and recordings, coauthors Rodney Steiner and Thomas A. DeLong have written a vivid and engrossing story of this forgotten entertainer.

With the publication of FRANK MUNN: A biodiscography of the Golden Voice of Radio (Sesco Associates; $12.50) Munn's place among American singers of the first half of the 20th century is now well documented. "His effortless artistry and natural musicianship set a standard of vocal perfection as high as Bing Crosby's and earned him the title 'The Golden Voice of Radio,'" says Steiner, a professor at California State University, Long Beach. "He was virtually untrained, and learned to sing by listening to the discs of John McCormack and other famous singers. The acknowledged dean of ballad singers on radio, Munn was admired for his perfect diction and ability to mold his voice to each particular word of a lyric."

Frank Munn's rise from a poorly educated factory worker in the Bronx to a prime-time singing star at Radio City is a Horatio Alger saga. Munn fell into a professional career when an accident at work injured his hand and led to a long period of unemployment. He turned to singing to pay his rent.

Discovered at an audition by record company musical director Gustave Haemschen, Munn began to make the first of his nearly 350 solo and dance band recordings in the mid-1920's. Offers to perform over the "wireless" soon made him a radio pioneer and a mainstay on the air for over 20 momentous years.

FRANK MUNN: A biodiscography of the golden Voice of Radio

Sasco Associates, Publishers
box 335, Southpost, CT 06490
$12.50 + $2.00 P&H per book
(Connecticut residents add 6% sales tax)

Paperback ISBN: 0-912980-11-7
Illustrations 132pgs. (9"x6")

And the Radio lives on.....

When I'm dead, and when I'm gone, and this old units' going strong.
Just think of Me, and all my work, I gladly did to make it perk!
While these old sets are here to stay, their old time owners fade away.
As time goes by, and they change hands, you'll find their getting 'bout half the bands.
Some others, while their on the bum, still work, but with an awful hum.
If it's not fixed in timely fashion, other parts may soon start flashin'.
Leaving this condition linger, may require a fire extinguisher.
Replace these parts, and you will see, that she will play, from A to Z.
All the shows, you like so well, music, sports and news-all sorts.
The latest weather, and traffic reports, financial news and global views-
Expressed by those you've come to know, who made radio history, show-after-show.
Guys like Mack, and Dean, and Morrow, "Thats all for today folks, tune in tomorrow."
They brought you the world, on your local stations, often at night, when away on vacations-
Call letters, now classics, reached crossed half the nation.
Hour after hour, with clear channel power, they brought you their signals from huge iron towers.
Antennas of steel, stretching into the night, so far in heavens they had to have lights.
So fix that old set, spend a few bucks, lots of pleasure you'll get, no ifs, ands or buts-
From picking up stations of places you've lived, and getting strange music and news from Madrid.

Contributing Editor
Richard Bradley

Ye Old SWAP SHOP

FREE ADS

Up to 12 Gazette lines of copy are available to ARCA Members. We do ask that you print or type your ad on a separate sheet of paper, and be sure to include your name and address. We reserve the right to edit all ads. ARCA is not responsible for any transactions.

Owing to time constraints, we cannot extensively proofread names, addresses, or numbers. If a mistake appears in your listing, please notify the GAZETTE and we will print a correction in the next available issue.

******

FOR SALE: Heath G meter Model SB 110 transceiver. Tubes check like new, transceiver clean - like new 6 prong socket for National SW3 plug in cord. Ceramic socket for SW3 plug-in coil. Tad Drogoski N3JZQ 507 Coal Valley Road • Jefferson boro, PA 15025-3703 • (412) 466-5950

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IT'S FINALLY HERE! PHILCO RADIO: 1928-1942, by Ron Ramirez with Michael Prosise. Over 190 pages "show and tell" the history of Philco's radio receivers during this 14 year period. Over 500 pictures, more than half in color. Only $29.95 plus $4 shipping and handling; signed and numbered by the principal author: Ron Ramirez, 811 Maple St., Providence, KY 42450-1857

******

WANTED: Atwater Kent Model 50 receiver; Western Electric Model 2A tuner; Western Electric Model 14A amplifier. Tad Drogoski N3JZQ 507 Coal Valley Road • Jefferson boro, PA 15025-3703 • (412) 466-5950

******

WANTED: Tube checker, Model No. I-77B, made by the Daven Co. of Newark NJ for the U.S. Army Signal Corps. Please quote working order and price. Hugo Castelli, 1406 E Fifth Ave., Joliet IL 60433

******

FOR SALE: Atwater Kent, No. 10 Breadboard, 1923; has one dial on the left and two more in the center; rectangular wooden board, five tubes, and battery. Please send price offers to Bertha L. Dillman, 1533 Eva Loop, Flagstaff AZ 86004. (602) 526-9451

******

FOR SALE: Accessories for SCR-522 transceiver: Mount FT-488, Dynamatic PE-94 or PE-98, Mount FT-498. Plugs PC-P167, PC-P169, PC-P170, PC-P171, PC-P172, PC-P173, & PC-P259. Antenna MAS AN-104A, MIC. T-34, Jack Box BC-629A. Steve Kalista, 9 Maple Drive, Jim Thorpe PA 18229. (717) 325-4120

******

WANTED: HELP! Need manual and tube chart for a Lafayette tube tester. No model number on the tester. Also need a schematic for an Energy Concepts Inc. high-voltage power supply (Mark I), 0-400V B+ and 0-100V C-. William G. Mitch,

668 West 725 South, Hebron IN 46341. (219) 996-3313

******

WANTED: Vintage headphones, headphone plugs, parts, accessories, boxes, advertising, contact with anyone who ever worked for a headphone manufacturer - any help with my book will be appreciated. Have cash or trades for phones or parts. Dick Mackiewicz, 1549 N. River Road, Coventry CT 06238. (203) 742-8552

******

FOR SALE: Reproduction cartridge or dome-type crystal detectors. Send LSASE. Dick Mackiewicz, 1549 N. River Road, Coventry CT 06238. (203) 742-8552

******

WANTED: The following two radios: 1. "Sperti" walkie-talkies, ca 1947, mfd. in Cincinnati, vacuum-tube type, no transistors. 2. "Belmont Boulevard" AM shirt-pocket size broadcast-band radio, vacuum-tube (hearing-aid size), no trransistors, mfd. by the Belmont Radio Co. of Chicago ca. 1947. All information you can provide will be most helpful. William Hendricks, P.O. Box 165, Alton IL 62002. (618) 462-3957

******

FOR SALE: Super Simplex Radio, Cathedral style table model and it plays. Front - 3 dial knobs: Tone, tuning, On-Off Vol."SUPER SIMPLEX" (Printed on dial frame) size - base 10" wide x 12½" tall. Rear - Printed - "Mfg. in USA by "THE SIMPLEX RADIO CO. Sandusky, Ohio" Underneath Schematic sheet glued to bottom Model 'R'. Anyone Interested? Individual owned. Can ship. $100 plus shipping charge. Jack Livings, 313 Wayne Place, Mobile, AL 36609 (205) 344-1276

******

FOR SALE: Longines Symphonette model LCR-220, flip numeral digital AM-FM pedestal syle clock radio. Good condition with original instructions, circa 1974. $12.00 Postpaid. Ken Greenberg 4858 Lee Skokie, IL 60077 (708) 679-8641

******

FOR SALE: Heathkit CS-1 Condenser Substitution box and RS-1 Resistance Substitution Box. forty years old, But like new with manuals. Both together $25.00 Postpaid. Ken Greenberg 4858 Lee Skokie, IL 60077 (708) 679-8641

******

WANTED: QST April 1925 or copies of pages 21-23, set of National Regena-formers. Andrew Mooradian 5 Priscilla Lane Winchester, MA 01890

******

FOR SALE: Atwater Kent 10C, AK model E speaker, plus several more batt, AC, plastic radios and speakers. For more informaiton and list, SASE to Perry King 334 W. Garrett St. Somerset, PA 15501.

******

FOR SALE: Zenith Portable, Clothcovered, Model 5G500, Chassis 5A01, Best Offer. Kurt Michelsen, P.O. Box 1324, Renton, WA 98057.

******

WANTED: Kitchenaire radio. Good cabinet alone okay, or actual-size copy of front graphics on plastic strip. Also, 1920's New Zenith DeLuxe Chinese Model radio (see "Vintage Radio," pg. 114), and other radios with oriental style cabinets. Gerald Schneider, 3101 Blueford Road., Kensignton, MD 20895-

2726. (301) 929-8593.

******

FOR SALE: All new & expanded Crystal Radio Price Guide for collectors. 16 pages, 500 listings. Just $7.50 Plus $0.52 LSASE. Also, many choice Radios; plastic or wood table models, console, taransistor, & battery sets. Wireless & 40's TV's. No junk! Also, 1925 - 1945 parts, some Riders manuals. Also, for trade only, crystal sets; Aeriola Jr, Lambert & more for other Xtals. Lists, $.50 each PLUS LSASE. Dick Kowalski, 32823 Gloede Dr., Warren, MI 48093.

******

RESTORE: Your Radiola III, IIIA, Bal. Amp. etc. A new booklet with circuit diagrams, products, and information needed to restore your Radiolas, only $2.00 ppd. James Fred, R 1, Cutler, IN 46920

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FOR SALE: Cunningham Tubes. Tested & Good. 4-26, I-71A All $6.00 each. I-27, No name, old, $3.00. Power supply for Radiola 33, will fit others with minor mods, $15.00. Other parts for Radiola 33. Complete radio with cabinet (Rough) $50.00 plus shipping. J.T. Katez (WHGVF) 6841 Chesser Rd., Bessemer, AL 35023 (205) 491-2933

******

WANTED: Honeycomb coils for DeForest Plug-in Broadcast Band size. Everett Ludley, 301 Edgewood Drive, Webster City, IA 50595 (515) 832-3763

******

FOR TRADE: Deforest holder or Large size honeycomb coils. Everett Ludley, 301 Edgewood Drive, Webster City, IA 50595 (515) 832-3763

CHAPTER INFORMATION

Ask about a chapter in your area.
**Contacts*

Antique Radio Club of America
West Virginia Chapter
408 8th Avenue
St. Albans, WV 25177
*Geoff Boume
(304) 722-4690

Hudson Valley Antique Radio & Phonography Society-ARCA
Rt. 207, P. O. Box 1
Campbell Hall, NY 10916
*Linda or John Gramm
(914) 427-2602

Hawaii Chapter ARCA
95-2044 Waikalani Place C-401
Mililani, Hawaii 96789
*Leonard Chung

Kentucky Chapter-ARCA
3114 Boxhill Ct.
Louisville, KY 40222
*John Caperton
(502) 895-4370

Arkansas Chapter-ARCA
Arkansas Antique Radio Club
10524 Pat Lane
Mabelvale, AR 72103
(501) 565-1750

COLLECTOR BOOKS

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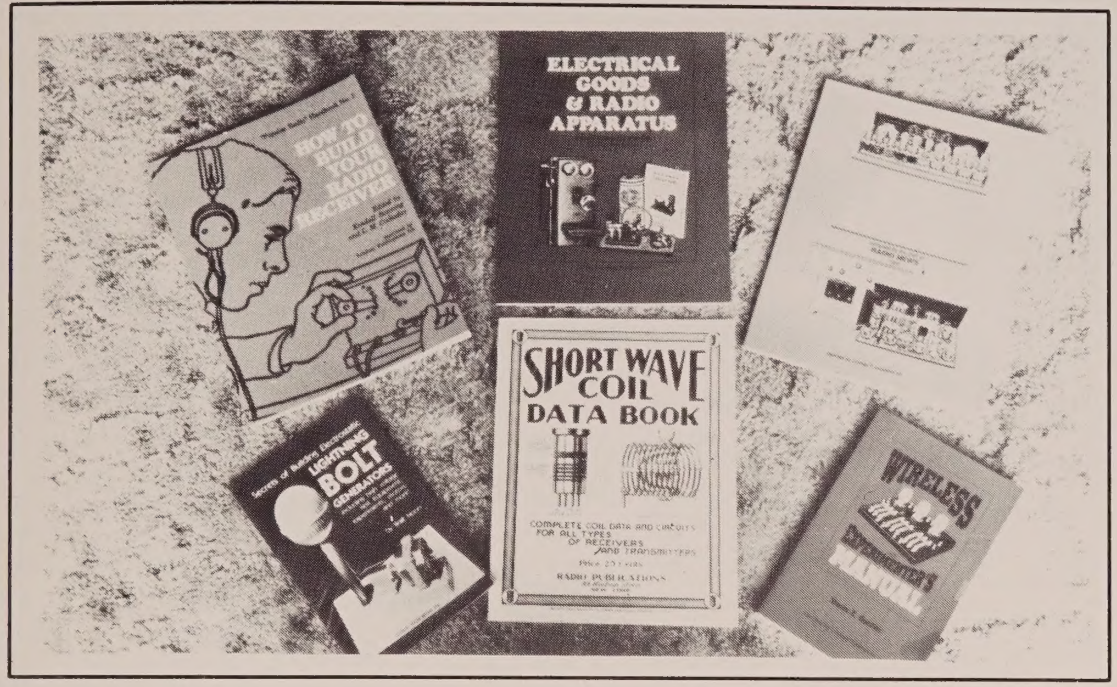
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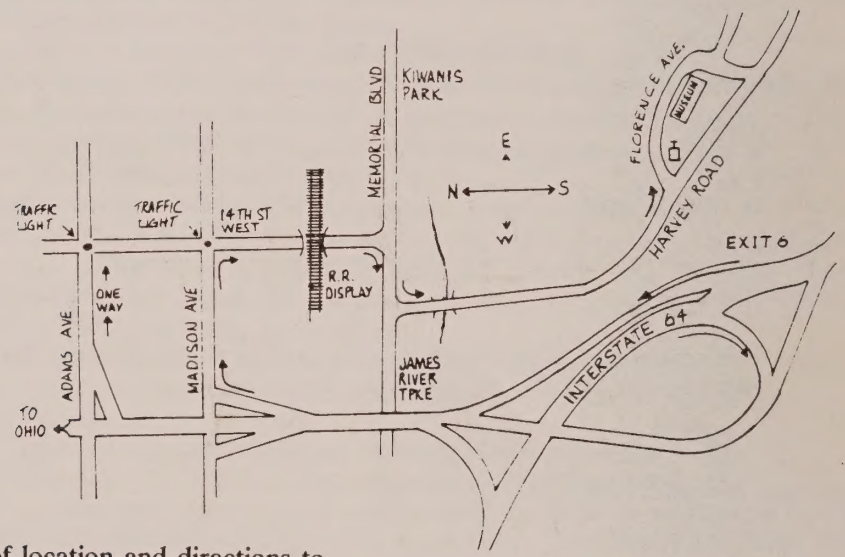

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